

## Title (en)

ANTISENSE OLIGONUCLEOTIDES FOR TREATING ALLERGY AND NEOPLASTIC CELL PROLIFERATION

## Title (de)

ANTISENSE-OLIGONUKLEOTIDE ZUR BEHANDLUNG VON ALLERGIEN UND NEOPLASTISCHER ZELLPROLIFERATION

## Title (fr)

OLIGONUCLEOTIDES ANTISENS POUR LE TRAITEMENT D'ALLERGIES ET DE PROLIFERATION DE CELLULES NEOPLASTIQUES

## Publication

**EP 1812075 B1 20131211 (EN)**

## Application

**EP 05802169 A 20051027**

## Priority

- CA 2005001656 W 20051027
- US 62320604 P 20041029

## Abstract (en)

[origin: WO2006045202A1] Antisense oligonucleotides for treating and/or preventing at least one of asthma, allergy, hypereosinophilia, general inflammation and cancer are provided. The oligonucleotides are directed against nucleic acid sequences coding for a receptor selected from the group consisting of a CCR3 receptor and a common sub-unit of IL-3, IL-5 and GM-CSF receptors.

## IPC 8 full level

**A61K 48/00** (2006.01); **A61K 31/115** (2006.01); **A61K 31/711** (2006.01); **C12N 15/113** (2010.01)

## CPC (source: EP US)

**A61P 11/06** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 35/02** (2017.12 - EP); **A61P 37/00** (2017.12 - EP); **A61P 37/08** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C12N 15/1138** (2013.01 - EP US); **C12N 23/10/11** (2013.01 - EP US); **C12N 23/10/331** (2013.01 - EP US)

## Citation (examination)

- Z ALLAKHVERDI ET AL: "Multitargeted Approach Using Antisense Oligonucleotides for the Treatment of Asthma", ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, vol. 1082, no. 1, 1 October 2006 (2006-10-01), pages 62 - 73, XP055034444, ISSN: 0077-8923, DOI: 10.1196/annals.1348.047
- MARYLÈNE FORTIN ET AL: "Effects of Antisense Oligodeoxynucleotides Targeting CCR3 on the Airway Response to Antigen in Rats", OLIGONUCLEOTIDES, vol. 16, no. 3, 1 September 2006 (2006-09-01), pages 203 - 212, XP055034443, ISSN: 1545-4576, DOI: 10.1089/oli.2006.16.203
- G. M. GAUVREAU ET AL: "Dose-response effects of TPI ASM8 in asthmatics after allergen", ALLERGY, vol. 66, no. 9, 1 September 2011 (2011-09-01), pages 1242 - 1248, XP055034438, ISSN: 0105-4538, DOI: 10.1111/j.1398-9995.2011.02638.x
- G. M. GAUVREAU ET AL: "Antisense Therapy against CCR3 and the Common Beta Chain Attenuates Allergen-induced Eosinophilic Responses", AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE, vol. 177, no. 9, 1 January 2008 (2008-01-01), pages 952 - 958, XP055034440, ISSN: 1073-449X, DOI: 10.1164/rccm.200708-1251OC
- H. IMAOKA ET AL: "TPI ASM8 reduces eosinophil progenitors in sputum after allergen challenge", CLINICAL & EXPERIMENTAL ALLERGY, vol. 41, no. 12, 1 December 2011 (2011-12-01), pages 1740 - 1746, XP055034439, ISSN: 0954-7894, DOI: 10.1111/j.1365-2222.2011.03816.x

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## DOCDB simple family (application)

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